Thomas J Gardner

From: Guram Chlachidze
Sent: Thursday, August 07, 2014 10:59 AM
To: Gueorgui Velev; David J Harding; Thomas J Gardner; Oliver J Kiemschies; John R Zweibohmer; James N Blowers; Paul C Czarapata
Cc: Helen Szuba; Guram Chlachidze
Subject: AD/TD projects meeting this Friday, Aug 8
Attachments: AD-TD_Projects_meeting_aug8_2014.docx

Dear all,
It is a reminder that we will have our AD/TD projects meeting tomorrow Friday, August 8, at 1:00 pm in the ICB engineering room (3rd floor).
See agenda enclosed.
Thanks,
- Guram

AD/TD Projects Meeting
Friday, Aug 8 2014, 1:00 PM
ICB Engineering conference room, ICB 3rd floor.
Archives for previous meetings can be found at:
http://tdserver1.fnal.gov/AcceleratorSupport/TD-BD_Meetings/

Status:

RFQ:
552 – Build 3 new Einzel lens solenoids for Proton Source. Design was modified to avoid electrical arcs/trips occurred
in the previous design. All parts are available, assembly in progress.

Linac: - no current jobs.

Booster:
372 - Build 3 short kickers BKEF003-005. Assembly of BKEF003 currently in progress, we expect to have all 3 kickers
ready for shutdown. Previously 3 BKEE kickers were modified and then successfully tested at AD.

372 - Refurbishing of the old RF tuners, helping AD, refurbishing old copper cones and commissioning the new aluminum
cones

372 - Replace 2 BMA correctors. TD will provide BMA magnets. Beam tubes will be provided by AD

491 - The first Booster RF tuner PRFTA001 with new ferrites was fabricated and sent to AD for testing. TD is in preparation
to the next tuners, preparation of the inner bus assemblies, stacking ferrites. Weekly meetings held with the AD representatives.

MI/RR:
373 - *Large aperture beam tubes with racetrack are ready, can be installed in the next shutdown. They are needed for sections*
306, 402 and 522 to decrease the beam losses. Are we going to install beam tubes during this shutdown?

373 - Prepare replacement for the MI abort line magnet IQH. No spare magnet is available, so IQB magnet will be re-worked.
Spare IQH will be ready during this shutdown.

373 - Prepare spare ADCW magnet for the MI/RR transfer line. Faulty ADCW003 was replaced with the only spare magnet ADCW001.
Since ADCW003 is still radioactive, we will build a spare ADCW from ADC magnet. Currently work in progress.

373 - *Main Injector maintenance and repair: help with marble shielding in the collimator region – DONE*

373 – *18 MQT Main Injector quads-correctors for the MI-30 trombone*
543 – Fabricate 5 MQT Main Injector quad correctors for this shutdown. All coils wound, 10 coils potted, cores available for 2
magnets. Assembly is in progress.

375 – MLAW002-1 Lambertson magnet assembly and measurements - DONE.
Plan to build one more magnet and a set of coils for another magnet.

375 - 2 RKB kickers in the Recycler, all parts are available. Currently assembly is in progress.

376 – Excess list prepared for the TeV components stored at MSB. To be announced soon.

External beam lines:

412 - Reconditioning of 3 EDB -> EDBC magnets: 2 magnets for this shutdown are DONE, one spare magnet reconditioning in progress.

406 - *IDH cooling pads for NuMI – DONE*

406 - 2 BDP upgrade from B2 dipoles. One BDP for NuMI was upgraded, and magnetic measurements will be completed before the shutdown.
Upgrade of the 2nd B2 is in progress.

Muon Campus:

- Open C-magnet design finalized for the Muon campus beamlines. Preliminary simulation and magnetic field measurements of 32”
  long C-magnet is done.
- Two HDD trim dipoles will be modified into vertical correctors. Work in progress.

2014 Accelerator System shutdown plans: